



Analytica Laboratories Ltd

Water Testing Hawke's Bay

Client Number 9004

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Authorised Representative

Ms Kelly Willoughby
Quality Manager
Private Bag 3345
Hamilton 3240
New Zealand

Programme

Biological Testing Laboratory

Accreditation Number 1080

Initial Accreditation Date 11 February 2013

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

Analysis

1.12 Waters

Sampling

1.12 Waters


Key Technical Personnel

Analysis

Mrs Robyn McDougal 1.12
Mr Alastair McSporran 1.12
Ms Cindy Mojica 1.12

Sampling

Mr Trevor Dine 1.12; selected
Mr Alastair McSporran 1.12

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Analysis

1.12 Waters

The following tests are in accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (23rd Edition) except where otherwise indicated.

(a) Potable waters


<i>E. coli</i> - MF	9222 G
<i>E. coli</i> - Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
<i>E. coli</i> - Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
<i>E. coli</i> - Colilert Quantitray (51 wells)	9223 B Colilert
<i>E. coli</i> - Colilert Quantitray (97 wells)	9223 B Colilert
<i>E. coli</i> - P/A	9223 B Colilert-18
Enterococci (MF)	9230 C
Faecal coliforms - MF	9222 D
Heterotrophic Plate Count (35/22°C)	9215 B
Total coliforms - MF	9222 B
Total coliforms - Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
Total coliforms - Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
Total coliforms - Colilert Quantitray (51 wells)	9223 B
Total coliforms - Colilert Quantitray (97 wells)	9223 B
Total coliforms - P/A	9223 B Colilert-18

(b) Non-potable waters (e.g. receiving waters, ground waters)

<i>E. coli</i> - MF	9213 D
<i>E. coli</i> - MPN Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
<i>E. coli</i> - MPN Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
<i>E. coli</i> - MPN Colilert Quantitray (51 wells)	9223 B Colilert
<i>E. coli</i> - MPN Colilert Quantitray (97 wells)	9223 B Colilert
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D
Total coliforms - MF	9222 B
Total coliforms - MPN Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
Total coliforms - MPN Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
Total coliforms - MPN Colilert Quantitray (51 wells)	9223 B Colilert
Total coliforms - MPN Colilert Quantitray (97 wells)	9223 B Colilert

(d) Effluent and trade wastes

<i>E. coli</i> - MF	9222 I
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D

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(f) Swimming and spa pools

<i>E. coli</i> - MPN Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
<i>E. coli</i> - MPN Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
Faecal coliforms - MF	9222 D
Heterotrophic plate count @ 37°C	9215 B
<i>Pseudomonas aeruginosa</i>	9213 E
<i>Staphylococcus aureus</i>	9213 B
Total coliforms - MPN Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
Total coliforms - MPN Colilert-18 Quantitray (97 wells)	9223 B Colilert-18

(g) Marine waters

<i>E. coli</i> - MF	9213 D
<i>E. coli</i> -MPN Colilert-18 Quantitray (51 wells)	9223 B Colilert-18
<i>E. coli</i> - MPN Colilert-18 Quantitray (97 wells)	9223 B Colilert-18
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D

Sampling

1.12 Waters

- (a) Potable waters**
- (b) Non-potable waters (e.g. receiving waters, ground waters)**
- (d) Effluents and trade wastes**
- (f) Swimming and spa pools**
- (g) Marine waters**

In accordance with in-house methods based on the following:

- A National Protocol for State of the Environment Groundwater Sampling New Zealand.
- US Environmental Protection Agency August 2015, Science and Ecosystem Support Division "Operating Procedure: Field Equipment Cleaning and Decontamination".
- Pita. 2015. Sampling Instructions for USEPA 1623 (modified). Hopkirk Institute, Massey University, Palmerston North.
- Standard Methods for the Examination of Water and Wastewater 23rd Edition.

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